

**TORCH GLASSWARE FOR USE WITH INDUCTIVELY
COUPLED PLASMA-OPTICAL EMISSION SPECTROMETER**

Abstract of the Disclosure

Torch glassware for use with inductively coupled plasma-optical emission spectrometers is provided. The glassware includes an outer tube and a stream of cool inert gas flowing radially within the inner surface thereof such that the cool inert gas creates a cushion between the tube and hot plasma contained within the stream of cool inert gas. The outer tube includes a sidewall having an open end and having a slot passing therethrough. The slot extends longitudinally along the sidewall from the open end thereof and is defined at least in part by a first longitudinal edge and a second longitudinal edge. The first longitudinal edge is offset radially inwardly from the second longitudinal edge. Stated another way, the tube includes a fixed center, and a distance between the fixed center and the first longitudinal edge is smaller than a distance between the fixed center and the second longitudinal edge.